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Thundercomm C8550 TurboX Development Kit User Guide

Thundercomm TurboX C8550 Development Kit
Quick Start Guide
Rev. V1.0
DN: tc-P-2110

Contents

C8550 TurboX Development Kit

Package List

C8550 Development Kit

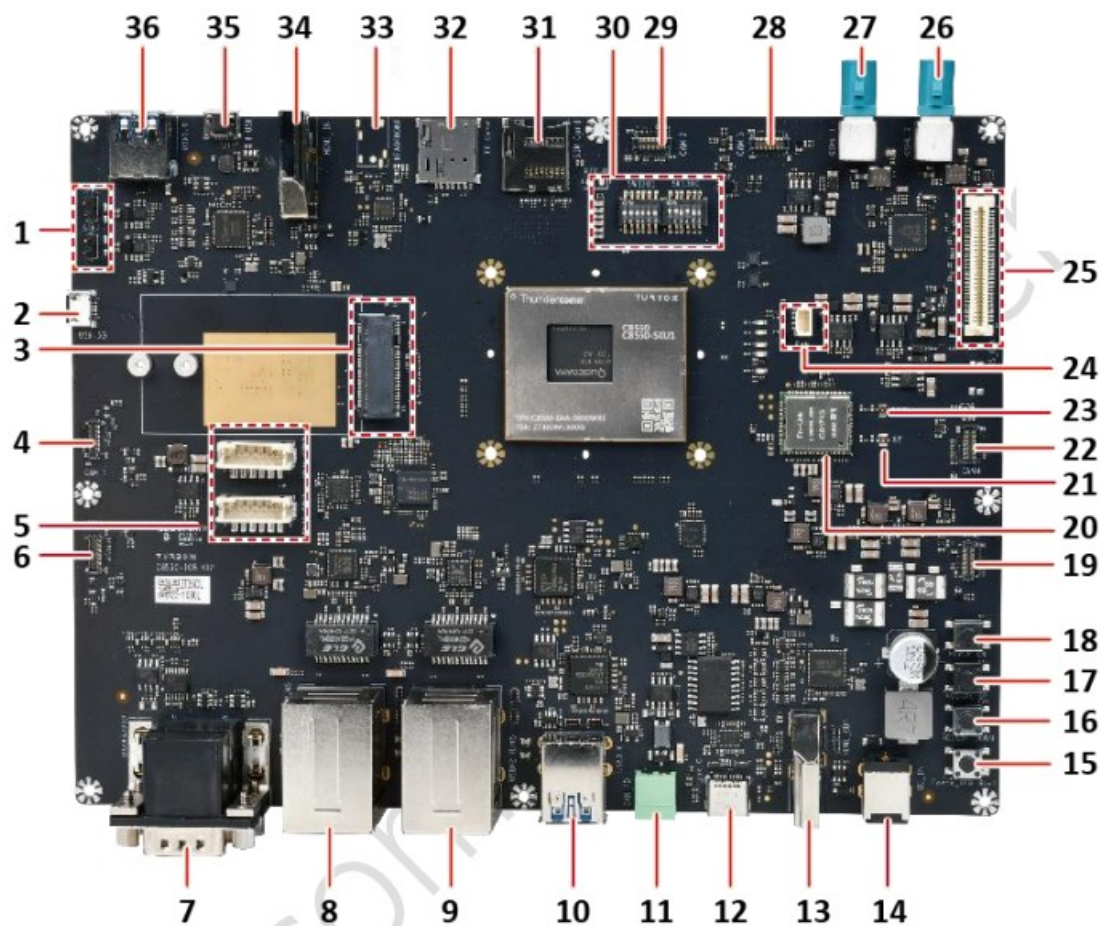USB 3.0 cable A to C

Power Adapter

OV9282 Camera

Camera Module

Speaker (x 2)

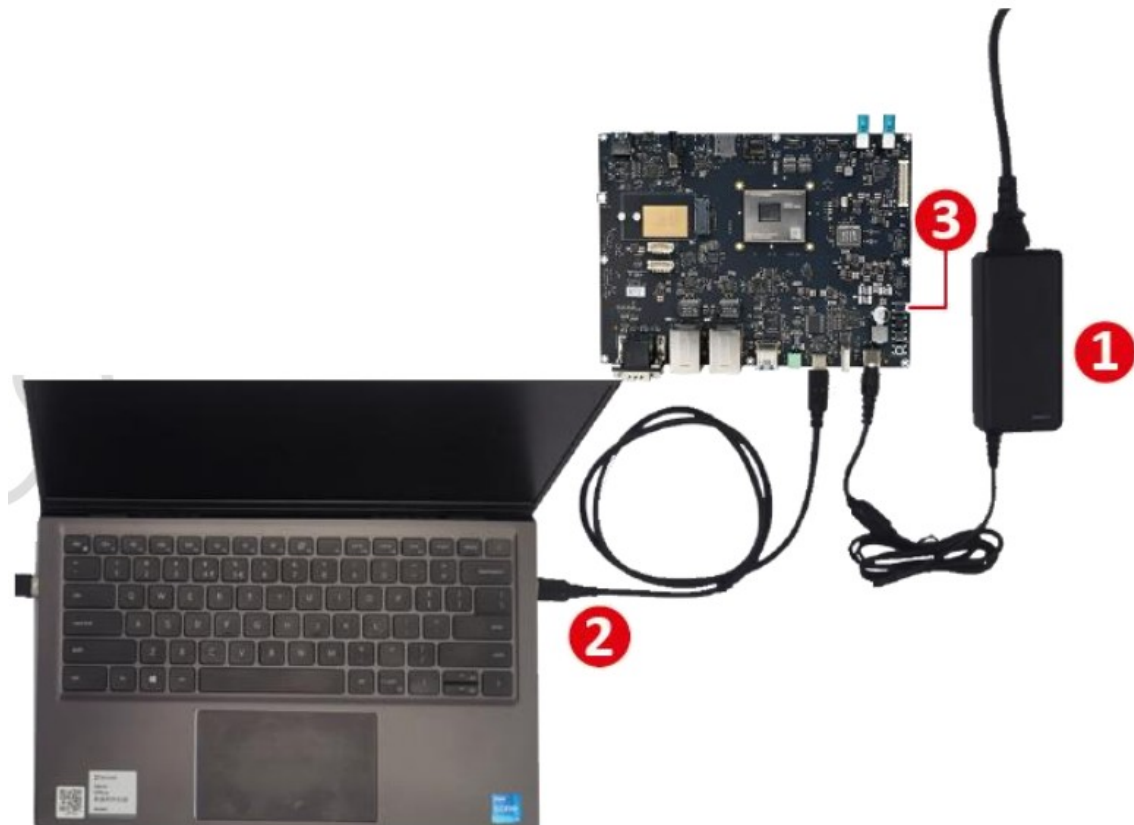Wi-Fi/BT Antenna (x 2)

Interface List

1	Speaker connector x 2
2	Micro USB connector for M.2
3	M.2 connector B-KEY (5G module and SSD supported)
4	Camera module connector 1
5	DMIC connector
6	Camera module connector A
7	DB9 connector x 2 (RS232 + RS485)
8	1 x RJ 45 + 2 x USB 3.0 Type-A connector
9	1 x RJ 45 + 2 x USB 3.0 Type-A connector
10	USB 3.0 Type-A connector
11	CAN connector
12	USB 3.1 Type-C connector
13	HDMI OUT connector
14	DC in jack
15	Force USB Boot button
16	Volume down button
17	Volume up button

18	Power on button
19	Camera module connector B
20	SDIO Wi-Fi module
21	BT antenna connector
22	Camera module connector 4
23	Wi-Fi antenna connector
24	Fan connector
25	High speed connector
26	GMSL connector 2
27	GMSL connector 1
28	Camera module connector 3
29	Camera module connector 2
30	DIP switch x 2
31	TF card slot (non-PoR)
32	SIM card slot
33	Headphone connector
34	HDMI IN connector
35	Micro USB connector for UART debug
36	USB 3.0 Type A connector

Let's Get Started

Follow the steps below to boot up your device.

1. Connect the power adapter to the board assembly via DC in jack (connector 14).
2. Connect the board assembly to a computer via
   - ♦ USB 3.1 Type-C port (connector 12) if adb tool is needed.
   - ♦ Micro USB connector (for UART debug) (connector 35) if debug function is needed.
3. Connect the board to a monitor via HDMI OUT connector (connector 13).
4. Set the DIP switch (connector 30).
   - ♦ SW1301: Toggle all bits to OFF.
   - ♦ SW1300:
   - ♦ Bit 1~2: ON
   - ♦ Bit 3 ~6: OFF
5. Press Power on button (connector 18) to boot up the device.

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Documents / Resources

	Thundercomm C8550 TurboX Development Kit [pdf] User Guide
	C8550 TurboX Development Kit, C8550, TurboX Development Kit, Development Kit, Kit

References

- TC **Thundercomm - World leading IoT product and solution provider**
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